

Title (en)  
ULTRASOUND IMAGING

Title (de)  
ULTRASCHALLABBILDUNG

Title (fr)  
IMAGERIE ULTRASONORE

Publication  
**EP 1952176 A1 20080806 (EN)**

Application  
**EP 06836750 A 20061030**

Priority  
• US 2006042608 W 20061030  
• US 73140505 P 20051028  
• US 76155606 P 20060123

Abstract (en)  
[origin: WO2007051075A1] An ultrasound imaging system for use in producing an image of an object in a region of interest includes: an exciter configured to provide an excitation signal; a transducer coupled to the exciter and configured to produce, in response to the excitation signal, an ultrasound field whose complex frequency content varies with field location; a receiver configured to receive ultrasound signals reflected by the object and to produce indicia of the received reflected ultrasound signals; and a processor coupled to the receiver and configured to cross-correlate the indicia of the received reflected ultrasound signals with indicia of the ultrasound field at pixels in the region of interest to determine image pixel intensities of the region of interest for producing an image.

IPC 8 full level  
**G01S 7/52** (2006.01); **G01S 15/89** (2006.01); **G10K 11/34** (2006.01)

CPC (source: EP US)  
**A61B 8/13** (2013.01 - EP US); **A61B 8/54** (2013.01 - EP US); **G01S 7/5205** (2013.01 - EP US); **G01S 15/8954** (2013.01 - EP US); **G01S 15/8977** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007051075A1

Designated contracting state (EPC)  
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**WO 2007051075 A1 20070503**; EP 1952176 A1 20080806; US 2007167805 A1 20070719

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**US 2006042608 W 20061030**; EP 06836750 A 20061030; US 55442706 A 20061030